

Title (en)  
EXHAUST GAS TREATMENT APPARATUS

Title (de)  
ABGASBEHANDLUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE TRAITEMENT DES GAZ D'ÉCHAPPEMENT

Publication  
**EP 2716346 A2 20140409 (EN)**

Application  
**EP 13199592 A 20051024**

Priority  
• JP 2004317663 A 20041101  
• EP 05292234 A 20051024

Abstract (en)  
A liquid column type exhaust gas treatment apparatus comprising a spray header (42) for injecting an absorbing solution upward in an absorption tower (41), wherein exhaust gas introduced from a lower part of the absorption tower (41) and the absorbing solution injected from the spray header (42) are brought into gas-liquid contact with each other, by which desulfurization of exhaust gas is accomplished, and wherein a columnar liquid drop dispersing member (45, 46) is provided on the upper side and/or the lower side of the spray header (42), characterized in that the columnar liquid drop dispersing member (45, 46) is formed by a member having substantially the same construction as that of a header pipe forming the spray header (42).

IPC 8 full level  
**B01D 53/18** (2006.01); **B01D 53/50** (2006.01)

CPC (source: EP KR US)  
**A01K 61/10** (2016.12 - KR); **B01D 53/185** (2013.01 - EP US); **B01D 53/504** (2013.01 - EP US); **E02B 3/14** (2013.01 - KR); **E02D 29/0241** (2013.01 - KR); **E02D 29/0266** (2013.01 - KR); **B01D 2251/404** (2013.01 - EP US); **B01D 2257/302** (2013.01 - EP US); **E02D 2200/12** (2013.01 - KR); **E02D 2600/20** (2013.01 - KR)

Cited by  
EP2716345A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1661615 A2 20060531**; **EP 1661615 A3 20060927**; CN 100464823 C 20090304; CN 1768906 A 20060510; EP 2716345 A2 20140409; EP 2716345 A3 20140820; EP 2716346 A2 20140409; EP 2716346 A3 20140820; JP 2006122862 A 20060518; KR 100652856 B1 20061201; KR 20060047295 A 20060518; TW 200615037 A 20060516; TW I280151 B 20070501; US 2006093534 A1 20060504; US 7462330 B2 20081209

DOCDB simple family (application)  
**EP 05292234 A 20051024**; CN 200510082497 A 20050705; EP 13199590 A 20051024; EP 13199592 A 20051024; JP 2004317663 A 20041101; KR 20050032935 A 20050421; TW 94111027 A 20050407; US 20438505 A 20050816